Beam Power Tube

NOVAR TYPE

SPECIAL MULTIPLE-FIN PLATE STRUCTURE² SPECIALLY FORMULATED ENVELOPE GLASS^b

 $For \ \ Color-TV \ \ Horizontal-Deflection-Amplifier \ \ Applications$

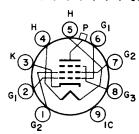
ELECTRICAL

Heater Characteristics and Ratings Voltage (AC or DC)	6.3 ± 0.6 1.600	V A
Peak	200	٧
Peak	200 100	V
Grid No.1 to plate	1.2 22 9.0	pF pF pF

Operating Position
Type of Cathode Coated Unipotential
Maximum Overall Length
Seated Length 2.910 to 3.170 in
Diameter
Dimensional Outline See General Section
Bulb
Cap Skirted Miniature (JEDEC No.C1-2 or C1-3)
BaseLarge-Button Novar 9-Pin with Exhaust Tip (JEDEC E9-88)
Basing Designation for BOTTOM VIEW
pasing besignation for bottom view

Pin 1-Grid No.2 Pin 2-Grid No.1 Pin 3-Cathode Pin 4-Heater Pin 5-Heater Pin 6-Grid No.1 Pin 7-Grid No.2 Pin 8-Grid No.3 Pin 9-Do Not Use

Cap - Plate



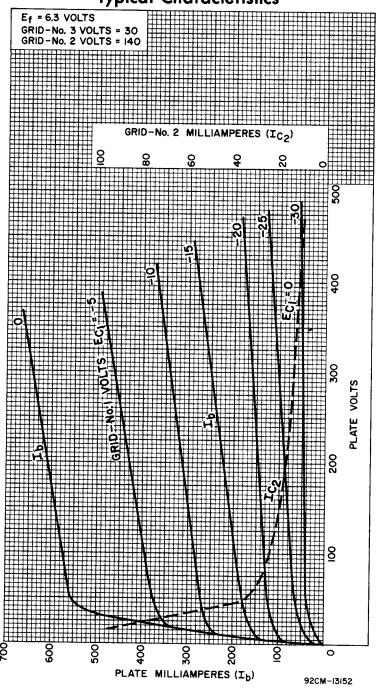
CHARACTERISTICS

For the following characteristics, see Conditions
Amplification Factor. - - 4 -

	• •	•	•	•	•	•			- 7	_	
Triode Connectio	nc										
Plate Resistance.							-	-	-	6000	Ω
Transconductance.							-	-	-	9500	μ mho
DC Plate Current.							-	560 ^d	-	80	mĀ

DC Grid-No.2 Current Cutoff DC Grid-No.1 Voltage . Plate mA = 1	-110	31 d	-	2.4 -42	mA V	-			
Conditions									
Heater Voltage Peak Positive-Pulse Plate	6.3	6.3	6.3	6.3	٧				
Voltage ^e	6500		_	_	٧				
DC Plate Voltage	-	60	140	140	Ý				
DC Grid-No.3 Voltage	30	30	0	30	٧				
DC Grid-No.2 Voltage	140	140	140	140	٧				
DC Grid-No.1 Voltage	-	0	-24.5	-24.5	٧				
MAXIMUM RATINGS, DESIGN-MAXIMUM VALUES									
For operation in a 525	-line.	30-fr	ame svsi	tem					
DC Plate Supply Voltage		•	•	. 770	٧	,=			
Peak Positive-Pulse Plate Volt	age ^e .		 		v				
Peak Negative-Pulse Plate Volt	age .			. 1500	Ÿ				
DC Grid-No.3 Voltage ^f				. 75	٧				
DC Grid-No.2 (Screen-Grid) Vol	tage.			. 220	٧				
Peak Negative-Pulse Grid-No.1	(Contr	ol-Gri	d)						
Voltage				. 330	٧				
Cathode Current				050	-4				
Peak				. 950 . 275	mA mA				
Average				. 3.5	W				
Plate Dissipation ^g				. 20	Ÿ				
Envelope Temperature				. 240	oC				
At hottest point on bulb sur	face								
MAXIMUM CII	RCUIT	VALUES							
Grid-No.1-Circuit Resistance									
For grid-No.1-resistor-bias		ion .		. 0.47	MΩ				
For plate-pulsed operation.				. 10	$M\Omega$				
a Designed to minimize secondary-el nate "knee" discontinuities in ze	ectron ro-bias	emission region	n from pl	ate and el	imi-				
Designed to reduce glass problem and elevated temperature operation	s after	longp	eriods o	f high-vol	tage				
C With grid No.3 and grid No.2 con									
plate at socket.									
This value can be measured by a musuch that the Maximum Ratings of	nethod:	involvir e will	ig a recu	rrent wave	form				
					does				
This rating is applicable where t not exceed 15 per cent of one horiz 30-frame system, 15 per cent of	ontal s	canning	cycle.	In a 525-l	ine,				
microseconds.									
f In horizontal-deflection-amplifie	r servi	ce, a p	ositive v	oltage ma	y be				
In horizontal-deflection-amplifie applied to grid No.3 to reduce i occur in both vhf and uhf televi value for this voltage is 30 volt	ncerier sion re	ceivers	. A typ:	ical opera	ting				
An adequate bias resistor or oth tube in the absence of excitation	ner mean								
rube in the absence of excitation	•					_			





Typical Plate Characteristics

